



PTO/SB/08a/b (07-05)

Approved for use through 07/31/2006 OMB 0651-0031

U.S. Patent and Trademark Office, U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/B/PTO				Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)				Application Number	10/560455
				Filing Date	December 14, 2005
				First Named Inventor	Silvia Glück
				Art Unit	N/A
				Examiner Name	Not Yet Assigned
Sheet	1	of	2	Attorney Docket Number	13111-00027-US

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document Country Code ² -Number ³ -Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	† ⁴
/IM/	BA	EP-0596466	05-11-1994	Tanabe Seiyaku Co., Ltd.		

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language translation is attached.

NON PATENT LITERATURE DOCUMENTS						
Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.				† ²
/IM/	CA	Glueck, S. M., et al., "Lactate Racemase As a Versatile Tool for the Racemization of α -Hydroxycarboxylic Acids", Chem. Listy, 2003, Vol. 97, p. 431.				
	CB	Schnell, B., et al., "Enzymatic Racemisation and its Application to Synthetic Biotransformations", Advanced Synthesis & Catalysis, 2003, Vol. 345, pp. 653-666.				
	CC	Liu, S.-Q., "Practical Implications of Lactate and Pyruvate Metabolism by Lactic Acid Bacteria in Food and Beverage Fermentations", International Journal of Food Microbiology, 2003, Vol. 83, pp. 115-131.				
	CD	Strauss, U.T., et al., "Deracemization of (±)-Mandelic Acid Using a Lipase-Mandelate Racemase Two-enzyme System", Tetrahedron: Asymmetry, 1999, Vol. 10, pp. 4079-4081.				
	CE	Feiler, U., et al., "Substrate Spectrum of Mandelate Racemase Part 2. (Hetero)-Aryl-Substituted Mandelate Derivatives and Modulation of Activity", Journal of Molecular Catalysis B: Enzymatic, 2001, Vol. 15, pp. 213-222.				
	CF	Schaefer, S.L., et al., "Mechanism of the Reaction Catalyzed by Mandelate Racemase: Structure and Mechanistic Properties of the D270N Mutant", Biochemistry, 1996, Vol. 35, pp. 5662-5669.				
	CG	Garcia-Viloca, M., et al., "A QM/MM Study of the Racemization of Vinylglycolate Catalyzed by Mandelate Racemase Enzyme", Journal of the American Chemical Society, 2001, Vol. 123, pp. 709-721.				
	CH	Li, R., et al., "Racemization of Vinylglycolate Catalyzed by Mandelate Racemase", Journal of Organic Chemistry, 1995, Vol. 60, pp. 3347-3351.				
	CI	Kenyon, G.L., et al., "Mandelate Racemase: Structure - Function Studies of a Pseudosymmetric Enzyme", Acc. Chem. Res., 1995, Vol. 28, pp. 178-186.				
	CJ	Pearson, W.R., et al., "Improved Tools for Biological Sequence Comparison", Proc. Natl. Acad. Sci. USA, 1988, Vol. 85, pp. 2444-2448.				
	CK	Narang, S.A., "DNA Synthesis", Tetrahedron, 1983, Vol. 39, No. 1, pp. 3-22.				
	CL	Itakura, K., et al., "Synthesis and Use of Synthetic Oligonucleotides", Ann. Rev. Biochem., 1984, Vol. 53, pp. 323-356.				
	CM	Itakura, K., et al., "Expression in <i>Escherichia coli</i> of a Chemically Synthesized Gene for the				

Examiner Signature	Date Considered
--------------------	-----------------



Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/B/PTO

Approved for use through 07/31/2006. OMB 0651-0031
U.S. Patent and Trademark Office, U.S. DEPARTMENT OF COMMERCE

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet	2	of	2	Attorney Docket Number	13111-00027-US
-------	---	----	---	------------------------	----------------

Complete if Known

Application Number	10/560455
Filing Date	December 14, 2005
First Named Inventor	Silvia Glück
Art Unit	N/A
Examiner Name	Not Yet Assigned
Attorney Docket Number	13111-00027-US

		Hormone Somatostatin, 1977, Vol. 198, pp. 1056-1063.	
/IM/	CN	Ike, Y., et al., "Solid Phase Synthesis of Polynucleotides. VIII. Synthesis of Mixed Oligodeoxyribonucleotides by the Phosphotriester Solid Phase Method", Nucleic Acids Research, 1983, Vol. 11, No. 2, pp. 477-488.	
	CO	Arkin, A.P., et al., "An Algorithm for Protein Engineering: Simulations of Recursive Ensemble Mutagenesis", Proc. Natl. Acad. Sci. USA, 1992, Vol. 89, pp. 7811-7815.	
	CP	Delagrave, S., et al., "Recursive Ensemble Mutagenesis", Protein Engineering, 1993, Vol. 6, No. 3, pp. 327-331.	
	CQ	Thomas, K.R., et al., "Site-Directed Mutagenesis by Gene Targeting in Mouse Embryo-Derived Stem Cells", Cell, 1987, Vol. 51, pp. 503-512.	
	CR	Ebberts, E.J., et al., "Controlled Racemization of Optically Active Organic Compounds: Prospects for Asymmetric Transformation", Tetrahedron, 1997, Vol. 53, No. 28, pp. 9417-9476.	
	CS	van Rantwijk, F., et al., "Lipase-Catalyzed Synthesis of Carboxylic Amides: Nitrogen Nucleophiles as Acyl Acceptor", Monatshefte für Chemie, 2000, Vol. 131, pp. 549-569.	

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Applicant's unique citation designation number (optional). ²Applicant is to place a check mark here if English language Translation is attached.

Examiner Signature	/Irene Marx/	Date Considered	06/24/2008
--------------------	--------------	-----------------	------------